AN ANDROID APPLICATION FOR ISSUING AND VERIFYING COMMUTER TRAIN TICKET THROUGH GPS USING CLOUD

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ABSTRACT

Indian Railway (IR) is the heart of an Indian economy. But still IR goes under loss. As it is lacking providing modern facilities to the user. In present situation, the ticketing system is more tedious. There are traditional methods of booking the ticket like attending physically to buy or book the ticket. People are standing in long queues for getting tickets especially in public mode of transportation. It is not feasible to every passenger. It is the wastage of time and wastage of manpower.

Our "LetzRail" application is mainly to buy the commuter train ticket (local travel) which are the most challenging. CTBV (Commuter Train Book and Verify) ticket can be bought with just a smart phone application, where user can carry suburban railway tickets in his smart phone as a QR (Quick Response) code. our android application uses the smart phones "GPS" facility to validate and delete users ticket automatically after a specific interval of time once the user reaches the destination. User's ticket booking information is stored in a cloud database for security purpose which is missing in the present suburban system. and also checking the details of ticket by ticket checker is done through checker application to search tickets booking details in cloud database through QR code or PNR status. We will be using GPS facility to find the location of the user and nearby train station to display the train's arrival timings.

KEYWORDS: Android, SQ Lite, Cloud Database, QR Code, GPS